

In the Claims:

1 1. (original) A photodetector arrangement (1) for stray light
2 compensation with a photodetector unit (2) for detecting
3 and determining at least two measuring signals (S_1 and S_2)
4 and with a differential unit (6) for subtraction of the
5 measuring signals (S_1 and S_2), wherein between the
6 photodetector unit (2) and the differential unit (6) a
7 compensation unit (4) is provided for compensating the
8 constant components (S_{GL} , S_{mGL}) forming the basis of the
9 respective measuring signal (S_1 and S_2).

1 2. (original) A photodetector arrangement according to
2 claim 1, wherein the compensation unit (4) comprises a
3 number of differential modules (10) which corresponds to
4 the number of measuring signals (S_1 and S_2).

Claims 3 to 8 (canceled).

1 9. (original) A method for stray light compensation of
2 measuring signals (S_1 , S_2) detected by means of a
3 photodetector unit (2), wherein a constant component (S_{GL} ,
4 S_{mGL}) forming the basis of the respective measuring signal
5 (S_1 , S_2) is compensated before subtraction of the measuring
6 signals (S_1 , S_2).

1 **10.** (original) A method according to claim 9, wherein for the
2 measuring signals (S_1 , S_2) a constant component (S_{GL} , S_{mGL}) is
3 determined, which commonly represents these signals.

Claims 11 to 13 (canceled).

[REMARKS FOLLOW ON NEXT PAGE]